## INTERNATIONAL SEARCH REPORT

national Application No PUT/IB2004/000752

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H03F1/30 H03H11/24

According to International Patent Classification (IPC) or to both national classification and IPC

## **B. FIELDS SEARCHED**

 $\begin{array}{ll} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ \mbox{IPC } 7 & \mbox{H03G} & \mbox{H03H} & \mbox{H03F} \\ \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, IBM-TDB

ategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(	US 4 368 420 A (KUO JAMES R) 11 January 1983 (1983-01-11)	1,7-10
4	figure 2	6
(	EP 0 763 891 A (ERICSSON TELEFON AB L M) 19 March 1997 (1997-03-19) page 6, lines 6-29	1,7-10
A	figure 3	6
X	US 4 636 742 A (ORITANI ATSUSHI) 13 January 1987 (1987-01-13)	1,7-10
A	column 3, lines 4-34	6
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
25 May 2004	16/06/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL. – 2280 HV Rijswijk  Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	Authorized officer  Radomirescu, B-M

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